

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1393

DATE: FEBRUARY 1, 2023

PROJECT MP11775

The following classification changes will be effected by this Notice of Changes :

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	G06C	Subclass
	G06C	1/00
	G06C	7/00, 7/04, 7/09
	G06C	11/00, 11/10
	G06C	13/00
	G06C	15/00, 15/24, 15/34, 15/40, 15/48
	G06C	21/00, 21/04
	G06C	23/00
Warnings Modified:	G06C	Subclass
Notes Deleted:	G06C	15/00
Notes New:	G06C	15/02
	G06C	23/00
Notes Modified:	G06C	Subclass
DEFINITIONS:		
Definitions New:	G06C	7/04, 7/09
	G06C	11/10
	G06C	15/24, 15/48
Definitions Modified:	G06C	Subclass
	G06C	7/00
	G06C	11/00
	G06C	13/00
	G06C	15/00

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)

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- B. Modified or Deleted Definitions (Definitions Quick Fix)
- 3. REVISION CONCORDANCE LIST (RCL)
- 4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
- 5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS G06C – DIGITAL COMPUTERS IN WHICH ALL THE COMPUTATION IS EFFECTED MECHANICALLY (score computers for card games A63F 1/18; construction of keys, printing mechanisms or other parts of general application to the typewriting or printing art B41; keys or printing mechanisms for special applications, see the relevant subclasses, e.g. G05G, G06K; cash registers G07G 1/00)

<u>Type</u> *	<u>Symbol</u>	<u>Indent Level</u> <u>Number of dots</u> (e.g. 0, 1, 2)	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to</u> [#]
M	G06C	Subclass	DIGITAL COMPUTERS IN WHICH ALL THE COMPUTATION IS EFFECTED MECHANICALLY (score computers for card games A63F 1/18)	
M	G06C 1/00	0	Computing aids in which the computing members form at least part of the displayed result and are manipulated directly by hand, e.g. abacuses or pocket adding devices	
M	G06C 7/00	0	Input mechanisms	
M	G06C 7/04	2	Interlocking devices, e.g. between keys	
M	G06C 7/09	1	Transfer of data from record carrier to computing mechanisms	
M	G06C 11/00	0	Output mechanisms	
M	G06C 11/10	1	Arrangements for feeding single sheets or continuous web or tape, e.g. ejection device; Line-spacing devices	
M	G06C 13/00	0	Storage mechanisms (mechanical counters with input only to the lowest order G06M 1/04)	
M	G06C 15/00	0	Computing mechanisms; Actuating devices therefor	
M	G06C 15/24	1	Devices for counting the cycles of operation in division or multiplication	
M	G06C 15/34	2	where transfer is effected by planet gear, i.e. crawl type	
M	G06C 15/40	2	for stepped-toothed-drum computing mechanism	
M	G06C 15/48	1	Arrangements for selection of one out of several counting registers (item-counting devices G06C 25/02)	
M	G06C 21/00	0	Programming-mechanisms for determining the steps to be performed by the computing machine, e.g. when a key or certain keys are depressed (mechanisms merely for producing	

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<u>Type</u> *	<u>Symbol</u>	<u>Indent Level</u> <u>Number of dots</u> (e.g. 0, 1, 2)	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to</u> #
			multiplication by repeated addition G06C 15/08)	
M	G06C 21/04	1	Conditional arrangements for controlling subsequent operating functions, e.g. control arrangement triggered by a function key and depending on the condition of the register (arrangements for selection of one out of several counting registers G06C 15/48)	
M	G06C 23/00	0	Driving mechanisms for functional elements	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

SUBCLASS G06C – DIGITAL COMPUTERS IN WHICH ALL THE COMPUTATION IS EFFECTED MECHANICALLY (score computers for card games A63F 1/18; construction of keys, printing mechanisms or other parts of general application to the typewriting or printing art B41; keys or printing mechanisms for special applications, see the relevant subclasses, e.g. G05G, G06K; cash registers G07G 1/00)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
D	G06C	In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.	<u>Delete:</u> The the entire Warning.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The “Location” column only requires the symbol PRIOR to the location of the warning. No further directions such as “before” or “after” are required.

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C. New, Modified or Deleted Note(s)

SUBCLASS G06C – DIGITAL COMPUTERS IN WHICH ALL THE COMPUTATION IS EFFECTED MECHANICALLY (score computers for card games A63F 1/18; construction of keys, printing mechanisms or other parts of general application to the typewriting or printing art B41; keys or printing mechanisms for special applications, see the relevant subclasses, e.g. G05G, G06K; cash registers G07G 1/00)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	G06C	Details of mechanisms covered in main groups G06C 9/00, G06C 11/00 or G06C 15/00, which are applicable to mechanical counters driven only through the lowest denomination, are classified in G06M	This subclass <u>does not cover</u> details of mechanisms covered by main groups G06C 9/00, G06C 11/00 or G06C 15/00, which are applicable to mechanical counters driven only through the lowest denomination. Such details are covered by subclass G06M.
D	G06C 15/00	Group G06C 15/00 takes precedence over groups G06C 15/04 - G06C 15/42	<u>Delete:</u> The entire Note.
N	G06C 15/02		Group G06C 15/02 takes precedence over groups G06C 15/04 - G06C 15/42.
N	G06C 23/00		Group G06C 23/08 takes precedence over groups G06C 23/02 - G06C 23/06.

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (new)

Insert: The following new Definitions:

G06C 7/04

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Interlocking devices	G06C 25/00
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G06C 7/09

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Methods or arrangements for sensing record carriers	G06K 7/00
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G06C 11/10

References

Informative references

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Conveying record carriers	G06K 13/00
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G06C 15/24

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Item-counting devices	G06C 25/02
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G06C 15/48

References

Limiting references

This place does not cover:

Item-counting devices	G06C 25/02
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Arrangements for controlling subsequent operating functions	G06C 21/04
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2. A. DEFINITIONS (modified)

G06C

References

Limiting references

Delete: The following four rows from the Limiting references table:

Construction of keys, printing mechanisms or other parts of general application to the typewriting or printing art	B41
Computing mechanisms where the output is observed on a scale, like slide rules, are considered analogue computing arrangements	G06G 1/00
Details of mechanisms covered by main groups G06C 9/00, G06C 11/00, G06C 15/00 which are applicable to mechanical counters driven only through the lowest denomination	G06M 1/00, G06M 3/00
Cash registers	G07G 1/00

Insert: The following new Informative references section:

Informative references

Attention is drawn to the following places, which may be of interest for search:

Construction of keys, printing mechanisms or other parts of general application to the typewriting or printing art	B41
Keys or printing mechanisms for special applications	G05G, G06K
Computing mechanisms where the output is observed on a scale, like slide rules, are considered analogue computing arrangements	G06G 1/00
Cash registers	G07G 1/00

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G06C 7/00

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

Informative references

Attention is drawn to the following places, which may be of interest for search:

Pin carriage	G06C 13/02
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G06C 11/00

References

Informative references

Replace: The comma in the Informative references table row with "or" so that the text reads as follows:

Marking record carriers in general or visual presentation in general of results of the mathematical operations	G06K
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G06C 13/00

References

Insert: The following new Limiting references section:

Limiting references

This place does not cover:

Mechanical counters with input only to the lowest order	G06M 1/04
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Informative references

Delete: The following row from the Informative references table:

Mechanical counters with input only to the lowest order	G06M
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G06C 15/00

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

Informative references

Attention is drawn to the following places, which may be of interest for search:

Mechanisms for operating automatically upon more than two numbers otherwise than by repeated addition or subtraction	G06C 21/00
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